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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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In re application of: Ho et al.

Attorney Docket No.: PROQP001C5

Application No.: Not Yet Assigned

Examiner: Unknown

Filed: December 3, 2003

Group: Unknown

Title: A LEARNING METHOD AND SYSTEM  
BASED ON QUESTIONING

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**INFORMATION DISCLOSURE STATEMENT**  
**37 CFR §§1.56 AND 1.97(b)**

Commissioner for Patents  
Washington, DC 20231

Dear Sir:

The references listed in the attached PTO Form 1449 may be material to examination of the above-identified patent application. Applicants submit the list of these references in compliance with their duty of disclosure pursuant to 37 CFR §§ 1.56 and 1.97. The Examiner is requested to make these references of official record in this application. The above-identified application is a continuation application of U.S. Patent Application No. 10/295,503 and U.S. Patent Application No. 10/060,120. These prior applications are being relied upon for an earlier filing date under 35 U.S.C. § 120. Because the listed references were either cited by the PTO or submitted to the PTO in the prior application, under 37 CFR § 1.98(d), Applicants submit that copies need not be provided.

In addition, in accordance with MPEP 2001.06(c), Applicants make the PTO aware of litigation (N. D. CA, Action No.: C02-5814 PJH) for related patents in which the validity of the patents are challenged under 35 U.S.C. §§ 102, 103 and/or 112.

This Information Disclosure Statement is not to be construed as a representation that a search has been made, that additional information material to the examination of this application does not exist, or that these references indeed constitute prior art.

This Information Disclosure Statement is: (i) filed within three (3) months of the filing date of the above-referenced application, (ii) believed to be filed before the mailing date of a first

Office Action on the merits, or (iii) believed to be filed before the mailing of a first Office Action after the filing of a Request for Continued Examination under §1.114. Accordingly, it is believed that no fees are due in connection with the filing of this Information Disclosure Statement. However, if it is determined that any fees are due, the Commissioner is hereby authorized to charge such fees to Deposit Account 500388 (Order No. PROQP001C5).

Respectfully submitted,  
BEYER WEAVER & THOMAS, LLP



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**U.S. Patent Documents**

<b>Examiner Initial</b>	<b>Ref. No.</b>	<b>Patent No.</b>	<b>Date</b>	<b>Patentee</b>	<b>Class</b>	<b>Sub-class</b>	<b>Filing Date</b>
	1.	4,586,160	04/1986	Amano et al.			
	2.	4,594,686	06/1986	Yoshida			
	3.	4,597,057	06/1986	Snow			
	4.	4,599,691	07/1986	Sakaki et al.			
	5.	4,641,264	02/1987	Nitta et al.			
	6.	4,674,065	06/1987	Lange et al.			
	7.	4,773,009	09/1988	Kucera et al.			
	8.	4,787,035	11/1988	Bourne			
	9.	4,798,543	01/1989	Spiece			
	10.	4,816,994	03/1989	Freiling et al.			
	11.	4,847,784	07/1989	Clancey			
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	18.	5,224,038	06/1993	Bespalko			
	19.	5,239,617	08/1993	Gardner et al.			
	20.	5,259,766	11/1993	Sack et al.			
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	25.	5,295,836	03/1994	Ryu et al.			
	26.	5,301,314	04/1994	Gifford et al.			
	27.	5,306,154	04/1994	Ujita et al.			
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**U.S. Patent Documents (Cont.)**

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	28.	5,309,359	05/1994	Katz et al.			
	29.	5,384,703	01/1995	Withgott et al.			
	30.	5,384,894	01/1995	Vassiliadis et al.			
	31.	5,386,276	01/1995	Swales et al.			
	32.	5,386,556	01/1995	Hedin et al.			
	33.	5,404,295	04/1995	Katz et al.			
	34.	5,414,797	05/1995	Vassiliadis et al.			
	35.	5,418,717	05/1995	Su et al.			
	36.	5,423,032	06/1995	Byrd et al.			
	37.	5,438,511	08/1995	Maxwell, III et al.			
	38.	5,441,415	08/1995	Lee et al.			
	39.	5,446,883	08/1995	Kirkbride et al.			
	40.	5,454,106	09/1995	Burns et al.			
	41.	5,495,604	02/1996	Harding et al.			
	42.	5,500,920	03/1996	Kupiec			
	43.	5,519,608	05/1996	Kupiec			
	44.	5,560,037	09/1996	Kaplan			
	45.	5,581,664	12/1996	Allen et al.			
	46.	5,586,218	12/1996	Allen			
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	48.	5,597,312	01/1997	Bloom et al.			
	49.	5,598,518	01/1997	Saito			
	50.	5,625,554	04/1997	Cutting et al.			
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	55.	5,652,828	07/1997	Silverman			
	56.	5,675,819	10/1997	Schuetze			
	57.	5,677,835	10/1997	Carbonell et al.			
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	59.	5,689,716	11/1997	Chen			
	60.	5,696,962	12/1997	Kupiec			
	61.	5,696,980	12/1997	Brew			
	62.	5,701,399	12/1997	Lee et al.			
	63.	5,721,939	02/1998	Kaplan			
	64.	5,727,222	03/1998	Maxwell, III			
	65.	5,732,395	03/1998	Silverman			
	66.	5,745,602	04/1998	Chen et al.			
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	69.	5,752,021	05/1998	Nakatsuyama et al.			
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	78.	5,819,258	10/1998	Vaithyanathan et al.			
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	82.	5,836,771	11/1998	Ho et al.			
	83.	5,848,191	12/1998	Chen et al.			
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	85.	5,852,814	12/1998	Allen			
	86.	5,862,321	01/1999	Lamming et al.			
	87.	5,870,741	02/1999	Kawabe et al.			
	88.	5,883,986	03/1999	Kopec et al.			
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	90.	5,892,842	04/1999	Bloomberg			
	91.	5,903,796	05/1999	Budnik et al.			
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	94.	5,909,679	06/1999	Hall			
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	109.	5,995,775	11/1999	Budnik et al.			
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	133.	6,289,304 B1	09/2001	Grefenstette			
	134.	6,308,149 B1	10/2001	Gaussier et al.			
	135.	6,321,189 B1	11/2001	Masuichi et al.			
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	136.	6,321,191 B1	11/2001	Kurahashi			
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	139.	6,339,783 B1	01/2002	Horikiri			
	140.	6,349,307 B1	02/2002	Chen			
	141.	6,366,697 B1	04/2002	Goldberg et al.			
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	151.	6,480,698 B2	11/2002	Ho et al.			
	152.	6,493,663 B1	12/2002	Ueda			
	153.	6,498,921 B1	12/2002	Ho et al.			
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	156.	6,570,555 B1	05/2003	Prevost et al.			
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	158.	6,574,622 B1	06/2003	Miyauchi et al.			
	159.	6,581,066 B1	06/2003	Wang Baldonado et al.			
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#### Foreign Patent or Published Foreign Patent Application

<b>Examiner Initial</b>	<b>No.</b>	<b>Document No.</b>	<b>Publication Date</b>	<b>Country or Patent Office</b>	<b>Class</b>	<b>Sub-Class</b>	<b>Translation</b>
							<u>Yes</u>   <u>No</u>
	1.	WO 93/21587	10/1993	PCT			
	2.	WO 95/02221	01/1995	PCT			
	3.	EP 0436459A	07/1991	EPO			
	4.	EP 0230339A2	07/1987	EPO			
	5.	EP0180888A2/B1	05/1986	EPO			

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	1.	Woods, W.A., "Semantics And Quantification In Natural Language Question Answering," Academic Press, pp. 205-248, 1978.
	2.	Whalen, Thomas, " <i>Computational Behaviourism Applied to Natural Language</i> ," Communications Research Centre, Ottawa, ON, April 1996.
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	8.	Norvig, Peter, Paradigms Of Artificial Intelligence Programming: Case Studies In Common LISP, " <i>STUDENT: Solving Algebra Word Problems</i> ," Chapter 7, Morgan Kaufmann Publishers, pp. 219-235.
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	10.	Burton et al., "Toward a Natural-Language Capability for Computer-Assisted Instruction," NATURAL LANGUAGE PROCESSING, Kaufmann Publishers, pp. 605-624, 1986.
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	13.	Burke et al., "Knowledge-based Information Retrieval from Semi-Structured Text," The Artificial Intelligence Laboratory, The University of Chicago, November 1995.
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	18.	Computerized Adaptive Testing, Oct. 24, 1994, from World Wide Web, URL=Gopher://Gopher.ETS.org, Oct. 1994.
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	21.	"High School Learning and Resource Library" by ProOne, photocopy of the box and screen-dump to get 5 pages, 1995.
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	23.	Product information re: SolutionBuilder from Primus Communications, Help Desk Buyer's Guide, Call Center Magazine, p. 40, May 1996.
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**Other Documents (Cont.)**

<b>Examiner Initial</b>	<b>No.</b>	<b>Author, Title, Place (e.g. Journal) of Publication, Date</b>
	24.	SolutionBuilder User Guide and Command Reference, Version 1.1, Primus Communications Corporation, 1995.
	25.	Lim, "Budding Businesses to Watch in '96," The Seattle Times, January 28, 1996.
	26.	Baker, "Snafu-solving software at Primus attracts capital," Puget Sound Business Journal, April 29-25, 1996.
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